

IN THE CLAIMS

Please amend Claim 5 as shown below.

1. (Cancelled)
2. (Previously Presented) The method according to claim 5, wherein said metal compound is an organometallic compound.
3. (Previously Presented) The method according to claim 5, wherein the total content of the elemental halogens, halogen ions and halogen compounds contained in said sol-gel composition is 3 ppm or less.
4. (Previously Presented) The method according to claim 5, wherein said dispersoid comprises at least titanium, zirconium and lead.
5. (Currently Amended) A method of manufacturing a piezoelectric film, comprising:

a process for performing a purification operation on ~~all~~ each of a plurality of materials to be used for preparing a sol-gel composition for forming a piezoelectric element, wherein said plurality of materials includes (i) a metal compound to be used to obtain a dispersoid in said sol-gel composition and (ii) a material to be used as a medium for dispersing said dispersoid;

a process for preparing said sol-gel composition using said plurality of materials on which said purification operation has been performed, ~~wherein the total content of the elemental halogens, halogen ions and halogen compounds contained in said sol-gel composition is 10 ppm or less, and wherein said sol-gel composition comprises a dispersoid obtained from a metal compound;~~

a process for forming a coating film by coating a substrate with said sol-gel composition;

a process for drying said coating film; and

a process for obtaining said piezoelectric film by baking said dried coating film.

6. (Original) A piezoelectric element comprising a piezoelectric film sandwiched between a lower electrode and an upper electrode, wherein said piezoelectric film is produced by the method according to claim 5.

7. (Previously Presented) The piezoelectric element according to claim 6, wherein the total content of the elemental halogens, halogen ions and halogen compounds contained in said piezoelectric film is 10 ppm or less.

8. (Previously Presented) An ink jet recording head, comprising a pressure chamber communicated with an ink jet orifice, a vibrating plate arranged in a manner corresponding to said pressure chamber, the piezoelectric element according to claim 6

arranged in a manner corresponding to said vibrating plate, wherein the ink in said pressure chamber is jetted from said ink jet orifice owing to a volume change within said pressure chamber caused by said piezoelectric element arranged in a manner corresponding to said vibrating plate.

9. (Previously Presented) The method according to claim 5, wherein said purification operation comprises a plurality of different purification operations.